



| DUID and Contract Writing

Presenter Kim Pisall

Supply Chain System Transformation

Phone Number 703 614-3883



Workshop Objectives

- ▶ Define requirements for contract writing systems to capture and/or reference AUID/DUID/OUID
- ▶ Define requirements for obligation posting
- ▶ Define requirements for RPUID retrieval



Current SPS Contract Writing Process

- ▶ ADD PROCESS FLOW AS IS IN CURRENT ENVIRONMENT



SFIS vice SPS AUID Data Fields

SFIS DATA FIELD CONFIGURATION					
LABEL	REQUIRED	LENGTH	VALID VALUES	FORMS	REGISTRY
AUID #	Yes	15	Alphanumeric		AUID REGISTRY
Department Regular	Yes	3	Numeric		AUID REGISTRY
Department Transfer	Yes	3	Numeric		AUID REGISTRY
Main Account	Yes	4	Numeric		AUID REGISTRY
Sub-Account	Yes	3	Numeric		AUID REGISTRY
Apportionment Category	Yes	1	Alpha		AUID REGISTRY
Receipt Indicator	Yes	2	Numeric		AUID REGISTRY
Sub-Classification	Yes	2	Alphanumeric		AUID REGISTRY
Period of Availability	Yes	8	Alphanumeric		AUID REGISTRY
Reimbursable Flag	Yes	1	R or D		AUID REGISTRY
Fund Type	Yes	2	Numeric		AUID REGISTRY
Advance Flag	Yes	1	P, F or X		AUID REGISTRY
Authority Type	Yes	1	P, D, B, C, R or S		AUID REGISTRY
Availability Time	Yes	1			AUID REGISTRY
Borrowing Source	Yes	1			AUID REGISTRY
Definite/Indefinite Flag	Yes	1			AUID REGISTRY
Public Law Number	Yes	7	Alphanumeric		AUID REGISTRY
Program Report Code	Yes	3	Alphanumeric		AUID REGISTRY
TAFS Status	Yes	1	U or E		AUID REGISTRY
Year of Budget Authority	Yes	3	NEW or BAL		AUID REGISTRY
Direct Transfer Agency	Yes	3	Numeric		AUID REGISTRY
Direct Transfer Account	Yes	4	Numeric		AUID REGISTRY
Transfer To From	Yes	1	Numeric		AUID REGISTRY
Deficiency Flag	Yes	1	D or X		AUID REGISTRY
Availability Type	Yes	1	A, M or X		AUID REGISTRY
Expiration Flag	Yes	1	Y or N		AUID REGISTRY
Financing Account Indicator	Yes	1	D, G or N		AUID REGISTRY
Budget Function/Sub-Function	Yes	3	Numeric		AUID REGISTRY
Budget Activity	Yes	2	Numeric		AUID REGISTRY
Budget Sub-Activity	Yes	2	Numeric		AUID REGISTRY
Budget Line Item	Yes	2	Numeric		AUID REGISTRY
Contingency Code	Yes	6	Alphanumeric		AUID REGISTRY
Organization UID (OUID) (component allocation)	Yes	6	Alphanumeric		AUID REGISTRY

Instead of Forms column add a column for if exists in SPS



SFIS vice SPS DUID Data Elements

AUID #	Yes	15	Alphanumeric	PR - If used to request/create DUID	DUID REGISTRY
OUID	Yes	6	Alphanumeric	PR - If used to request/create DUID	DUID REGISTRY
OBJECT CLASS	Yes	3	Numeric with decimal	PR - If used to request/create DUID	DUID REGISTRY
OBJECT SUB-CLASS	Yes	4	Numeric with decimal	PR - If used to request/create DUID	DUID REGISTRY
CONTINGENCY CODE	Yes	6	Alphanumeric	PR - If used to request/create DUID	DUID REGISTRY
DUID #	Yes	30	Alphanumeric	PR, SOLICITATION, AWARD	DUID REGISTRY
APUID #	Yes	5	Alphanumeric	PR - If used to request/create DUID	DUID REGISTRY
ASSET TYPE	Yes	14	Alphanumeric	PR - If used to request/create DUID	DUID REGISTRY
TRANSACTION EFFECTIVE DATE	Yes	8	Numeric	PR - If used to request/create DUID	DUID REGISTRY
TRANSACTION POST DATE	Yes	8	Numeric	PR - If used to request/create DUID	DUID REGISTRY
TRANSACTION AMOUNT	Yes			PR - If used to request/create DUID	DUID REGISTRY
Instead of Forms column add a column for if exists in SPS					
CUSTODIAL/NON-CUSTODIAL	Yes	1	S or A	PR - If used to request/create DUID	DUID REGISTRY
ENTITY/NON-ENTITY INDICATOR	Yes	1	E or O	PR - If used to request/create DUID	DUID REGISTRY
FEDERAL/NON-FEDERAL	Yes	1	F or N	PR - If used to request/create DUID	DUID REGISTRY
TRADING PARTNER INDICATOR	Yes	3	Numeric	PR - If used to request/create DUID	DUID REGISTRY
TPN	Yes	9	Alphanumeric	PR - If used to request/create DUID	DUID REGISTRY
TRANSACTION QUANTITY	Yes	10	Numeric	PR - If used to request/create DUID	DUID REGISTRY
OUID	Yes	6	Alphanumeric	PR - If used to request/create DUID	DUID REGISTRY
Country Code	Yes	4	Alpha	PR, SOLICITATION, AWARD	DUID REGISTRY
FOREIGN CURRENCY CODE	Yes	3	Numeric	PR, SOLICITATION, AWARD	DUID REGISTRY
RPUID #	Yes	78	Alphanumeric	AWARD	DUID REGISTRY,RPUID REGISTRY

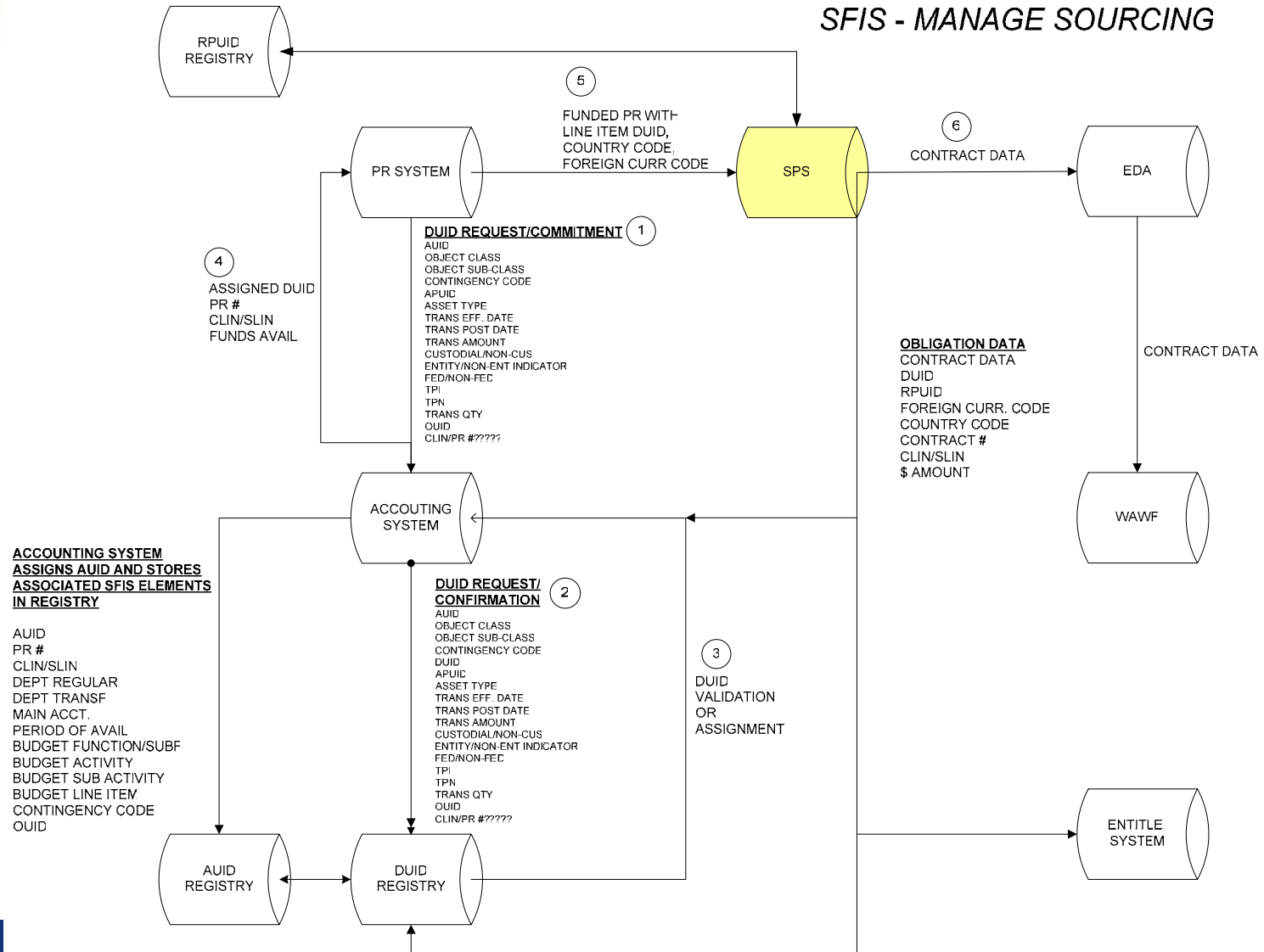


Options

- ▶ Option 1: Purchase request system generates DUID and passes it to contract writing
- ▶ Option 2: Target accounting system or interim Business Enterprise Information Service (BEIS) creates DUID at the point of commitment and passes it to contract writing
- ▶ Option 3: DUID registry creates DUID and retrieved by contract writing system
- ▶ Option 4: Some combination of the above



Option 1: Process Flow - PR System Generates DUID





Option 2: Process Flow - Target accounting system or interim Business Enterprise Information Service (BEIS) creates DUID

**ADD PROCESS FLOW FOR
THIS OPTION**



Option 3: Process Flow - DUID registry creates DUID and retrieved by contract writing system

**ADD PROCESS FLOW FOR
THIS OPTION**



Option 1: PROs and CONs - Purchase Request System Creates DUID

► PROs:

- PR Systems are already interfaced with contract writing to pass data
- Improves reconciliation by tracking requests using the same number as accounting and contract writing

► CONS:

- PR systems would have to have capability to generate DUID at the line item level and ensure enterprise-wide uniqueness under the “equivalent” concept;
- PR systems would have to have capability to ensure funds are available by retrieving AUID (post commitment), pass required data to contract writing, accounting and DUID registry
 - Mitigating factors: some may already have capability to generate unique number at demand line item level, ensure funds are available and/or pass some of the required data



Option 2: PROs and CONs - Target accounting system or interim Business Enterprise Information Service (BEIS) creates DUID

► PROS:

- Fewer target accounting plus BEIS systems than PR systems would have to be upgraded to generate DUID and pass required data to the DUID registry
- Easier to ensure funds are available since accounting system is system of record for account balances
- Easier to control enterprise-wide uniqueness

► CONS:

- Would have to build interfaces from target accounting systems or BEIS to contract writing to pass DUID
- Would not improve reconciliation because purchase requests would be using a different number than accounting and contract writing



Option 3: PROs and CONs - DUID registry creates DUID and retrieved by contract writing systems

► PROs:

- Only the DUID registry would have to be upgraded to create DUIDs and conduct funds control with accounting
- Facilitates manual interim solution whereby users could log on to the registry obtain a number and manually enter it into existing systems

► CONS:

- Would have to build interface from registry to contract writing to pass DUID and associated data
- Manual process:
 - User would have to enter all DUID required data into the registry
 - User would have to ensure available funds prior to obtaining the DUID from the registry and passing the PR to contract writing and accounting

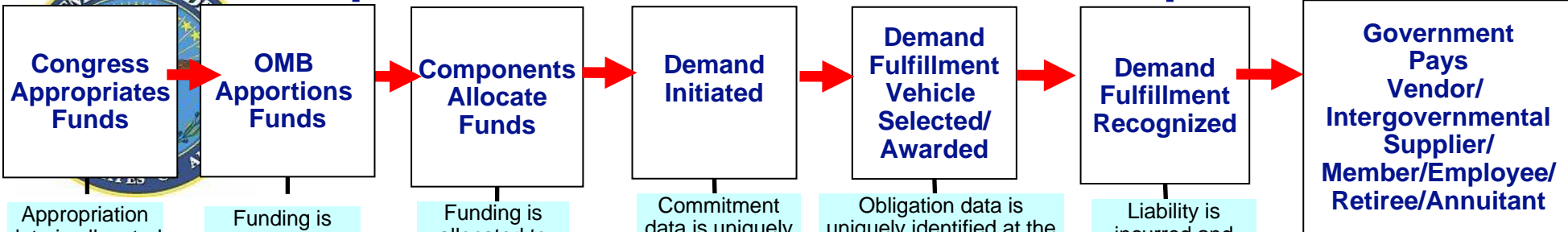


Option 4: Some Combination of options 1, 2, and/or 3

► Thoughts?

Unique Identification and SFIS Concept

Unique Identifiers



Appropriation data is allocated by Congress to the Department of Defense via the Appropriations Act

Funding is allocated to defense level organizations

Funding is allocated to major command and field level organizations

Commitment data is uniquely identified and recorded in the DUID registry and suffixed for each line item and/or funding source (e.g. payroll estimate)

Obligation data is uniquely identified at the sub-line item level and DUID is suffixed at sub-line item level (e.g. contract data recorded; payroll calculation)

Liability is incurred and uniquely identified (e.g. invoice and acceptance data is uniquely identified; certified pay file)

Disbursement data is recorded in disbursing system by obligation sub-line item

AUID

OID

AUID

OID

APUID

DUID

DUID

K#/CLIN

EDIPI

RPUID

INV

ASN

IUID

APUID

EFT

CAN TIE DISBURSEMENT BACK TO AUID REGISTRY USING DUID

APPROPRIATION DATA:

Department Regular
Department Transfer
Main Account
Sub-Account
Apportionment Category
Receipt Indicator
Sub-Classification
Period of Availability
Reimbursable Flag
Fund Type
Advance Flag
Authority Type
Availability Time
Borrowing Source
Definite/Indefinite Flag
Public Law Number
Program Report Code
TAFS Status
Year of Budget Authority
Direct Transfer Agency
Direct Transfer Account
Transfer To From
Deficiency Flag
Availability Type
Expiration Flag
Financing Account Indicator

BUDGET DATA:

Budget Function/Sub-Function
Budget Activity
Budget Sub-Activity
Budget Line Item
Contingency Code
Organization UID (OUID)

FUNDING AUTHORIZATION DATA:

Organization UID (OUID)
Funding Authorization Doc #

COMMITMENT DATA:

Allocation UID (AUID)
Object Class
Object Sub-class
Contingency Code
Demand UID (DUID)
Acquisition Program UID (APUID)
Asset Type
Transaction Type
Trans Effective Date
Transaction Post Date
Trans Amount
Custodial/Non-custodial
Entity/Non-entity Indicator
Federal/Non-Federal
Trading Partner Indicator
TPN
Transaction Quantity
Organization UID

OBLIGATION DATA:

Contract Number / CLIN/SLIN (K#/CLIN)
Electronic Data
Interchange
Personnel Identifier (EDIPI)
Asset Unique ID if real property (RPUID)
Country Code
Foreign Currency Code

INVOICE/SHIPMENT DATA:

Invoice Number (INV)
Advance
Shipment Notice (ASN)

ACCEPTANCE DATA:

Transaction Quantity
Asset Unique ID if Item
Confirm APUID
Current/Non-current indicator

PAYMENT DATA:

Electronic Funds Transfer Number (EFT)
Disbursement Amount

Data to be stored in AUID Registry (BEIS)

Data to be stored in DUID Registry